



## ELECTRICIAN 1

Class Code: 6533 – Exam Code: 3PB41

Department(s): Department of Developmental Services  
Department of Education  
Department of Forestry and Fire Protection  
Department of General Services  
Department of Public Health  
Department of State Hospitals  
Department of Veterans Affairs

Bulletin Release Date: June 12, 2014

Final Filing Date: Cut-off dates will be scheduled periodically.

Type of Examination: Multi-Departmental Open

### EEO

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

### DRUG-FREE STATEMENT

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

### WHO SHOULD APPLY?

Applicants who meet the Minimum Qualifications as stated on this bulletin may apply for and take this examination.

**Once you have taken the examination, you may not retake it for twelve (12) months.**

### FILING INSTRUCTIONS

Self-scheduling for this examination is offered on a first-come-first-served basis for each written exam date. Please be aware that, although seating is limited and scheduling will conclude once all seats are filled for a specific written exam date, additional self-scheduling dates and test locations will be posted.

#### Self-Scheduling Opens

#### Written Exam Date

#### Location

Self-scheduling dates and written test dates will continue into **2016**. Check this bulletin for further notice.

**ON THE SELF-SCHEDULING DATE PLEASE GO TO THE TAKING THE EXAM SECTION OF THIS BULLETIN TO BEGIN AND COMPLETE THE SCHEDULING PROCESS.**

## SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special assistance or special testing arrangements, mark the appropriate box on the self-scheduling examination or contact the California Department of Human Resources (CalHR), Examination Services at (866) 844-8671, or via the California Relay Service for the Deaf or Hard of Hearing at (800) 735-2929 from TTY Phones and (800) 735-2922 from voice phones.

## SALARY INFORMATION

Range A \$3,943.00 - \$4,543.00

Range B \$4,327.00 – \$4,989.00

## ELIGIBLE LIST INFORMATION

An eligible list will be established by the California Department of Human Resources for use by the State departments noted on the bulletin. The names of successful competitors will be merged onto the eligible list in order of final score regardless of test date. **Eligibility expires twenty-four (24) months after it is established.** Competitors must then retake the examination to reestablish eligibility.

## REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

**NOTE:** All applicants must meet the education and/or experience requirements as stated on this examination bulletin as of the date the test is taken.

## MINIMUM QUALIFICATIONS

### Either 1

Completion of a recognized [apprenticeship](#) for an electrician. (Apprentices who are within six months of completion of their apprenticeship may be admitted to the examination, but they must present evidence of completion of the apprenticeship before they may be appointed.)

### Or 2

Four years of [varied experience](#) in electrical installation and repair work. An Associate of Arts or Certificate of Arts Degree in Electrical Technology may be substituted for two years of the required experience. (Students who are within six months of completing their degree will be admitted to the examination but must present evidence of completion prior to appointment.)

## POSITION DESCRIPTION

This is the entry and first journey level of this series. Incumbents install transmission lines for electrical equipment; assemble, install and repair electric lights, motors, heaters, generators, transformers, switchboards and other electrical apparatus; troubleshoot electrical systems; operate electrical power generating plants; maintain an electric shop; operate electrical equipment; advise in the selection and storage of electrical equipment; consult and work with other tradespeople; make rough sketches and estimate the cost of minor electrical installations; keep simple records and make reports; and instruct and lead unskilled assistants.

## EXAMINATION INFORMATION

### WRITTEN TEST– Weighted 100%

The examination will consist of a written test, multiple choice, weighted 100%. To obtain a position on the eligible list, a minimum score of 70% must be attained. The written test is designed to evaluate a candidate's knowledge in the areas of (1) Technical Knowledge, (2) Electrician Tools, and (3) Mathematics.

This examination will also allow for the use of calculators, and these will be issued to the candidates on the written test date by the California Department of Human Resources. The use of a candidate's personal calculator will not be permitted.

## KNOWLEDGE AND ABILITIES

### A. Knowledge of the following:

- Principles, methods, materials, tools, and equipment used in the installation, maintenance, and repair of electrical equipment.
- National Electric Code and Electrical Safety Orders of the Division of Industrial Safety applicable to electrical work.

### B. Ability to do the following:

- Read and write English at a level required for successful job performance.
- Read, interpret and work from plans, drawings, and specifications.
- Make rough sketches and estimates of the cost of electrical work.
- Keep simple records and make reports.
- Follow oral and written instructions; instruct and lead unskilled assistants.

### C. Skill in the following:

- Installation, maintenance, and repair of electrical equipment.

## VETERANS' PREFERENCE

Veterans' Preference will be granted for this examination. Effective January 1, 2014, in accordance with Government Codes 18973.1 and 18973.5, whenever any veteran, widow or widower of a veteran, or spouse of a 100 percent-disabled veteran achieves a passing score on an open examination, he or she shall be ranked in the top rank of the resulting eligibility list. This section shall not apply to any veteran who has been dishonorably discharged or released.

## CONTACT INFORMATION

If you have any questions concerning this examination bulletin, please contact:

California Department of Human Resources (CalHR)  
Attn: Examination Services  
1515 S Street, North Bldg., Suite 400  
Sacramento, CA 95811

Phone: 1-866-844-8671

California Relay Service: 1-800-735-2929 (TTY), 1-800-735-2922 (Voice)

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device.

## GENERAL INFORMATION

**For an examination with a written feature**, it is the candidate's responsibility to print his/her "Notice to Appear" and present the notice on the date and time, and location of the test date.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. However, locations of interviews or performance evaluations may be limited or extended as conditions warrant.

**Applications are available** at [www.jobs.ca.gov](http://www.jobs.ca.gov) and local offices of the Employment Development Department.

**If you meet the requirements** stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be rated against a predetermined job-related rating, and all candidates who pass will be ranked according to their scores.

**The California Department of Human Resources** reserves the right to revise the examination plan to better meet the needs of the service, should the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules, and all competitors will be notified.

**Candidates needing special testing arrangements** due to a disability must mark the appropriate box on the self-scheduling examination and will be contacted by the testing department.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history, and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**Security and Confidentiality of Examination:** Pursuant to Government Code Section 19860. "It is unlawful for any person: (a) Wilfully by himself or in cooperation with another person to defeat, deceive, or obstruct any person with respect to his right of examination, application, or employment under this part or board rule. (b) Wilfully and falsely to mark, grade, estimate, or report upon the examination or proper standing of any person examined or certified under this part or board rule, or to aid in so doing, or make any false representation concerning the same or the person examined. (c) Wilfully to furnish to any person any special or secret information for the purpose of either improving or injuring the prospects or chances of any person examined, certified or to be examined or certified under this part or board rule."

Pursuant to Government Code 19681. "It is unlawful for any person: (a) To practice any deception or fraud with regard to his identity in connection with any examination, application, or request to be examined. (b) To obtain examination questions or other examination material except by specific authorization either before, during, or after an examination or use or purport to use any such examination questions or materials for the purpose of instructing or coaching or preparing candidates for examinations. (c) To use any unfair means to cause or attempt to cause any eligible to waive any rights obtained under this part."

**Veterans' Preference:** Effective January 1, 2014, in accordance with Government Codes 18973.1 and 18973.5, Veterans' Preference will be awarded as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veterans' Preference. 2) An entrance examination is defined, under the law, as any open competitive examination. And 3) Veterans' Preference is not granted once a person achieves permanent civil service status.

Veteran status is verified by the California Department of Human Resources (CalHR). Directions to apply for Veterans' Preference are on the Veterans' Preference Application (Std. Form 1093), which is available at <https://jobs.ca.gov/Public/Jobs/Veterans.aspx> and the Department of Veterans Affairs.

**Bulletin Release Date:** This examination bulletin was released and posted on <http://jobs.ca.gov> on June 12, 2014. Last updated on 11/4/16.

## **TAKING THE EXAM**

You must schedule yourself to participate in this written examination. Self-scheduling for this examination is offered on a first-come-first-served basis for each written exam date. Please be aware that, although seating is limited and scheduling will conclude once all seats are filled for a specific written exam date, additional self-scheduling dates and test locations will be posted.

### **Self-Scheduling Opens**

### **Written Exam Date**

### **Location**

Self-scheduling dates and written test dates will continue into **2016**. Check this bulletin for further notice

**[CLICK HERE to apply for and to self-schedule the Electrician 1 written exam.](#)**